

LB Agar and LB Plates

LB agar for 1L (2x YT)

- Tryptone 10g (16g)
 - NaCl 10g (5g)
 - Yeast Extract 5g (10g)
 - Agar 15g
1. Weight all the things above
 2. Mix Tryptone, NaCl, and Yeast Extract and put it in beaker
 3. Add around 700-800 ml ddH₂O into the beaker
 4. Put stir bar inside the beaker and stir it until it dissolved
 5. Put Agar into 1L bottle and pour the mixture into the bottle
 6. Top up the volume until 1L with ddH₂O

*Leave out agar if making liquid LB

LB plates plus antibiotics

- After autoclaved, when the agar is not too hot to touch, add antibiotics
1. Ampicillin – add 1 ml ampicillin stock (100mg/ml) per liter of agar so the final concentration is 100µg/ml. Mark the plate with “A” on the side.
 2. Kanamycin – add 1 ml kanamycin stock (50mg/ml) per liter of agar so the final concentration is 50µg/ml. Mark the plate with “K” on the side.
 3. Chloramphenicol – add 1 ml chloramphenicol stock (25mg/ml) per liter of agar so the final concentration is 25µg/ml. Mark the plate with “CAM” on the side.